2022-23

THIRD PARTY CONSULTANCY REPORT

Name of the Client: **Executive Engineer,** T.Dasarahalli Division, BBMP, Bangalore.

Agency: : **Smt. K Manjula,** Contractor, Bangalore.

Name of the Work: :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

M/s. CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2017 Laboratory

#133, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore-560056
E-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 Mob: 9886998316

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Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Name of Work : :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Name of Client	:	**Executive Engineer,** T.Dasarahalli Division, BBMP, Bangalore.
Contractor/Agency	:	**Smt. K Manjula,** Contractor, Bangalore.
Total Cost	:	Rs. 43.63 Lakhs
Date of Inspection	:	30.05.2022
Status of Bill	:	1st and Final Bill
In the Presence of	:	(a) **Assistant Engineer (W.No.15),** BBMP, Bangalore.
	:	(b) **Mr. Mohan G,** Engineer M/S Civil Quality Consultants and Engineers, Bangalore

Sl.No	Description of the Item		Comments / observations
1	Removing and refixing stone slabs of drains and pointing in CM	:	Work done up to the billed quantity and Quality is satisfactory
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing and fixing RCC precast slab 0.10 thick of CC M20 with 20mm		Work done up to the billed quantity and Quality is satisfactory
4	KSRRB M400-6.2. Construction of granular sub-base by providing close graded crushed stone aggregates of granite / trap / basalt material,		Work done up to the billed quantity and Quality is satisfactory
5	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	:	Work done up to the billed quantity and Quality is satisfactory

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ಟಿ. ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Corporate Off.: No. 133, Bhuvaneshwari Nagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

Sl.No	Description of the Item		Comments / observations
6	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	:	Work done up to the billed quantity and Quality is satisfactory
7	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with	:	Work done up to the billed quantity and Quality is satisfactory
8	Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the	:	Work done up to the billed quantity and Quality is satisfactory
10	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and	:	Work done up to the billed quantity and Quality is satisfactory
11	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at	:	Work done up to the billed quantity and Quality is satisfactory

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Date: 05.05.2022

Job No.: CQCE/BBMP/KM/15/2022-23

TEST REPORT ON CEMENT

Client : **Assistance Executive Engineer,** T.Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Smt. K Manjula,** Contractor, Bangalore.

Name of Work :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : April-2022

Date of Testing : 03.05.2022 to 05.05.2022

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	340 Minutes	Not More than 600 Minutes
2	Soundness	IS 4031 (Part 3) -1988 (RA 2014) by the Le Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4	30.00%	

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KM/15/2022-23

Date : 05.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistance Executive Engineer,** T.Dasarahalli Sub- Division, BBMP, Bangalore.

Agency : **Smt. K Manjula,** Contractor, Bangalore.

Name of Work :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Date of Testing : 05.05.2022

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	69	6.90	6.90	93.1	90-100
2.36	112	11.20	18.10	81.9	75-100
1.18	158	15.80	33.90	66.1	55-90
600 Micron	220	22.00	55.90	44.1	35-59
300 Micron	175	17.50	73.40	26.6	8-30
150 Micron	170	17.00	90.40	9.6	0-10

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/KM/15/2022-23

Date : 05.05.2022

TEST REPORT ON COARSE AGGREGATES

Client : **Assistance Executive Engineer,** T.Dasarahalli Sub- Division, BBMP, Bangalore.

Agency : **Smt. K Manjula,** Contractor, Bangalore.

Name of Work :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Date of Testing : 05.05.2022

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	187	1.25	1.25	98.75	95-100
20	8203	54.69	55.93	44.07	30-70
10	3146	20.97	76.91	23.09	10-35
4.75	2895	19.30	96.21	3.79	0-5

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Date : 05.05.2022

Job No.: CQCE/BBMP/KM/15/2022-23

TEST REPORT ON COARSE AGGREGATES

Client : **Assistance Executive Engineer,** T.Dasarahalli Sub- Division, BBMP, Bangalore.

Agency : **Smt. K Manjula,** Contractor, Bangalore.

Name of Work :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Date of Testing : 05.05.2022

IS Code : IS 383:2016
: IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	203	4.1	4.1	95.9	95-100
10	2651	53.0	57.1	42.9	25-55
4.75	1674	33.5	90.6	9.4	0-10

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Job No.: CQCE/BBMP/KM/15/2022-23

Date : 05.05.2022

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Assistance Executive Engineer,** T.Dasarahalli Sub- Division, BBMP, Bangalore.

Agency : **Smt. K Manjula,** Contractor, Bangalore.

Name of Work :Improvements and Re- asphalting Ganesha saw mill road and surrounding roads in Dasarahalli ward no.15, BBMP, Bangalore.

Date of Testing : 05.05.2022

Material : Sand(Plastering)

Total wt. of aggregates in gms = 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	19	1.90	1.90	98.1	95-100
2.36	20	2.00	3.90	96.1	95-100
1.18	25	2.50	6.40	93.6	90-100
600 Micron	78	7.80	14.20	85.8	80-100
300 Micron	232	23.20	37.40	62.6	20-65
150 Micron	508	50.80	88.20	11.8	0-15

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